

# Puget Sound Air Pollution Control Agency

HEREBY ISSUES AN ORDER OF APPROVAL  
TO CONSTRUCT, INSTALL, OR ESTABLISH

Registration No. 11339

Notice of  
Construction No. 5730

Date DEC 29 1994

This Order of Approval No. 5730 supersedes Order of Approval No. 3382 and adds the installation of a 120 ton/hour Clinker Pre-Grind Crusher with a Baghouse at 20,000 cfm, and a Finish Mill High Efficiency Separator Project including two (2) 60 ton/hour High Efficiency Separators with two (2) Baghouses at 77,000 cfm each, two (2) Baghouses at 10,000 cfm each, and one Baghouse at 5,000 cfm.

GERALD J BROWN

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## INSTALLATION ADDRESS


ASH GROVE CEMENT COMPANY (E MARG.), 3801 E MARGINAL WY S, SEATTLE, WA, 98134

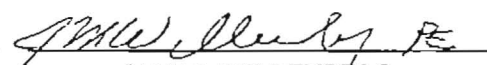
## THIS ORDER IS ISSUED SUBJECT TO THE FOLLOWING RESTRICTIONS AND CONDITIONS

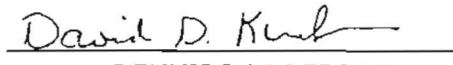
1. Approval is hereby granted as provided in Article 6 of Regulation I of the Puget Sound Air Pollution Control Agency to the applicant to install or establish the equipment, device or process described hereon at the INSTALLATION ADDRESS in accordance with the plans and specifications on file in the Engineering Division of PSAPCA.
2. Compliance with this ORDER and its conditions does not relieve the owner or operator from the responsibility of compliance with Regulations I, II or III, RCW 70.94 or any other emission control requirements, nor from the resulting liabilities and/or legal remedies for failure to comply. Section 5.05(e) of Regulation I requires that the owner or operator must develop and implement an operation and maintenance (O&M) plan to assure continuous compliance with Regulations I, II, and III.
3. This approval does not relieve the applicant or owner of any requirement of any other governmental agency.
4. This source is subject to Subpart F of 40 CFR Part 60.
5. PM-10 emissions from each baghouse except the Main Stack baghouse shall not exceed 0.005 grains/dscf over a twenty-four hour period. Ash Grove may demonstrate compliance with this condition by any of the following:
  - A. Performing a PSAPCA approved source test according to EPA Method 5 or EPA Method 201A.
  - B. Demonstrating no visible emissions for 15 consecutive seconds.
  - C. Demonstrating no visible emissions for three consecutive minutes, or
  - D. Repairing within 24 hours, any baghouse that has visible emissions for more than three consecutive minutes.Compliance shall be determined for visible emissions using EPA Method 22. PSAPCA may require a source test for any baghouse that has sustained visible emissions, unless such emissions are unavoidable under WAC 173-400-107.
6. Except during startup and shutdown of the kiln, scheduled maintenance and for emissions considered unavoidable under WAC 173-400-107, emissions from the main baghouse shall not exceed the most stringent of PSD limits or the following limits:
  - A. Carbon monoxide (CO): 1049 ppm @ 10% oxygen (O<sub>2</sub>), 8-hr average, and 2353 tpy (tons per year);
  - B. Nitrogen Oxides (NO<sub>x</sub>): 700 ppm @ 10% O<sub>2</sub> 1-hr average, 501 ppm @ 10% O<sub>2</sub>, 24-hr average, and 1846 tpy.
  - C. Sulfur Dioxide (SO<sub>2</sub>): 180 ppm @ 10% O<sub>2</sub> 1-hr average, and 176 tpy.
  - D. Particulate Matter (PM): 10.6 pph and 46 tpy.
7. During startup and shutdown of the kiln, and during scheduled maintenance on the main baghouse, all of the emission limits stated in Condition 6 apply, except that emissions from the main stack shall not exceed 200 ppm of SO<sub>2</sub> corrected to 10% O<sub>2</sub> for a one-hour average and 1000 ppm of NO<sub>x</sub> corrected to 10% O<sub>2</sub> for a one-hour average. Appendix A to this order defines the startup, shutdown and scheduled maintenance conditions under which these alternate limits apply.
8. Ash Grove shall monitor and report CO, NO<sub>x</sub>, SO<sub>2</sub>, and opacity from the main baghouse according to Article 12 of Regulation I.
9. By May 1, 1995, Ash Grove shall submit to PSAPCA for approval a best available control technology determination for controlling fugitive emissions from the clinker discharge end of the kiln. The evaluation must include start up and shut down.

(cont'd)

10. Ash Grove shall submit a testing plan to PSAPCA for approval within 60 days of startup for testing of the High Efficiency Separator Baghouse.
11. This Order of Approval supersedes and cancels Order of Approval No. 3382 dated June 19, 1990.

  
FREDRICK L. AUSTIN P.E.  
Reviewing Engineer  
MEJ

  
JAY M. WILLENBERG  
Reviewing Engineer

  
for DENNIS J. McLERRAN  
Air Pollution Control Officer